

# Converting Colors

Yxy(66.4042, 0.2630, 0.2959)

Have a look what the booklet for  
Yxy(66.4042, 0.2630, 0.2959)  
contains.

<b>Yxy(66.4610, 0.2626, 0.2956)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.4610, 0.2626, 0.2956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9DCF9
RGB	169, 220, 249
RGB Percent	66%, 86%, 98%
CMY	0.3375, 0.1372, 0.0236
CMYK	0.32, 0.12, 0.00, 0.02
HSL	202°, 87%, 82%
HSV	202°, 32%, 98%
XYZ	59.0415, 66.4610, 99.3318
YIQ	208.0570, -39.7050, -1.7930

# Conversions

## Conversions Part 2

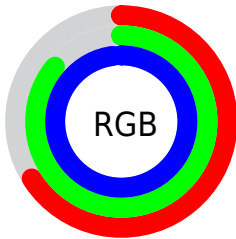
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 200, 249
Decimal	11132153
CIE <sub>Lab</sub>	85.23, -9.72, -19.44
CIE <sub>LCh</sub>	85, 21.730, 243.433
Yxy	66.4610, 0.2626, 0.2956
Android (android.graphics.Color)	4289322233 (0xFFA9DCF9)
YUV	208.0570, 20.1849, -34.2530
Hunter-Lab	81.5236, -13.3921, -15.1749

# Details

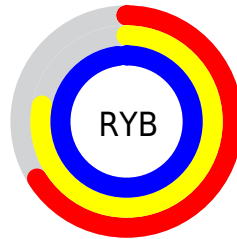
The Yxy color **66.4610, 0.2626, 0.2956** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.3437, 0.3773, 0.3600**, and the grayscale version is **62.9942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **34.3379, 0.2505, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **59.3649, 0.2476, 0.2832**, and if you desaturate by 10%, it is **74.3416, 0.2781, 0.3071**.

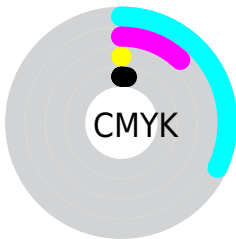
# Distribution



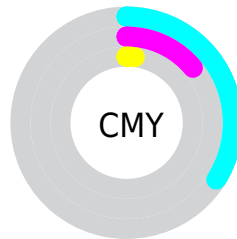
- Red (66%)
- Green (86%)
- Blue (98%)



- Red (66%)
- Yellow (78%)
- Blue (98%)



- Cyan (32%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (14%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4610, 0.2626, 0.2956 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 66.4610, 0.2626, 0.2956 by changing the saturation by 10% instead.



■ 66.4610, 0.2626,  
0.2956

■ 66.4610, 0.2626,  
0.2956

448.0238, 0.2857,  
0.3115

■ 48.6467, 0.2574,  
0.2919

■ 114.1477, 0.2706,  
0.3012

■ 34.3393, 0.2509,  
0.2872

144.7890, 0.2737,  
0.3033

■ 23.1544, 0.2428,  
0.2813

180.4747, 0.2764,  
0.3052

■ 14.7076, 0.2322,  
0.2734

221.5892, 0.2788,  
0.3068

■ 8.6144, 0.2181,  
0.2626

268.5170, 0.2808,  
0.3082

■ 4.4905, 0.1982,  
0.2468

321.6425, 0.2826,

■ 1.9516, 0.1686,

0.3094

0.2220

381.3499, 0.2843,  
0.3105

0.5791, 0.0953,  
0.1761

0.0000, 0.0000,  
0.0000

66.4610, 0.2626,  
0.2956

66.4610, 0.2626,  
0.2956

59.3649, 0.2476,  
0.2832

74.3416, 0.2781,  
0.3071

53.0115, 0.2336,  
0.2701

83.0301, 0.2938,  
0.3176

47.3666, 0.2208,  
0.2563

92.5585, 0.3094,  
0.3271

42.3892, 0.2098,  
0.2423

99.6191, 0.3162,  
0.3347

■ 38.0324, 0.2008,  
0.2281

■ 34.2407, 0.1940,  
0.2142

■ 31.5978, 0.1899,  
0.2035

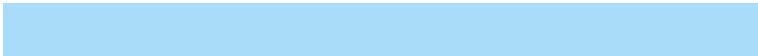
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4610, 0.2644, 0.3159



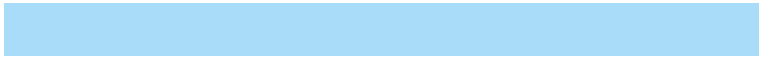
66.4610, 0.2626, 0.2956



66.4610, 0.2735, 0.2852

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.4610, 0.2626, 0.2956



66.4610, 0.3475, 0.3161



66.4610, 0.3290, 0.3762

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



66.4610, 0.2626, 0.2956



63.3437, 0.3773, 0.3600

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.4610, 0.3524, 0.3741



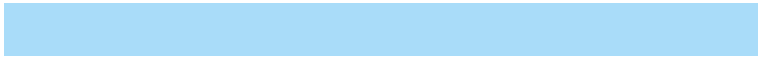
66.4610, 0.2626, 0.2956



66.4610, 0.3636, 0.3386

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.4610, 0.2626, 0.2956



66.4610, 0.3220, 0.2972



66.4610, 0.3653, 0.3598

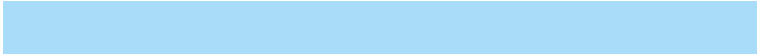


66.4610, 0.3019, 0.3642



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.4610, 0.2626, 0.2956



66.4610, 0.2868, 0.2846



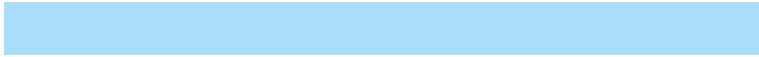
66.4610, 0.3653, 0.3598



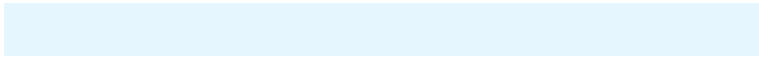
66.4610, 0.3375, 0.3771

# Sweetspot

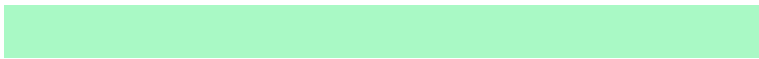
The Sweet Spot groups the original color and five complimentary colors.



66.4636, 0.2626, 0.2956



89.7336, 0.2972, 0.3197



80.2031, 0.2933, 0.3901



18.9134, 0.2950, 0.3183



0.0000, 0.0000, 0.0000

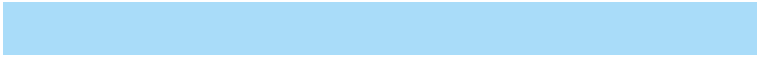


21.4041, 0.3127, 0.3290

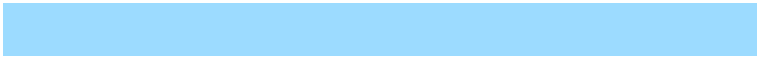


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4636, 0.2626, 0.2956



64.9126, 0.2522, 0.2872



48.2895, 0.2568, 0.2482



18.4903, 0.2980, 0.3202



17.1943, 0.1905, 0.2058



1.7937, 0.1950, 0.2221



# Inverse Universe

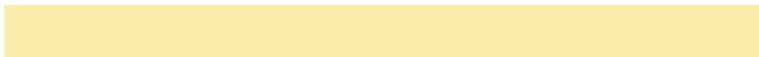
The Inverse Universe completely reimagines the original color for something new.



53.6567, 0.3403, 0.2760



50.0013, 0.3483, 0.2645



83.5590, 0.3649, 0.3986



17.4117, 0.3194, 0.3140



12.1467, 0.4388, 0.2191

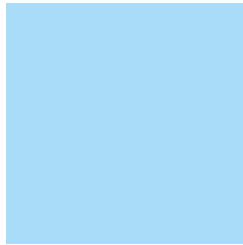


1.1453, 0.4210, 0.2093



# Previews

## White Background



This preview shows how the Yxy color 66.4610, 0.2626, 0.2956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

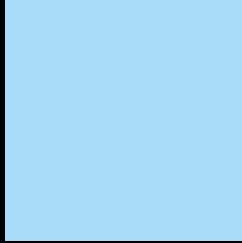
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4610, 0.2626, 0.2956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.4610, 0.2626, 0.2956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4610, 0.2626, 0.2956.

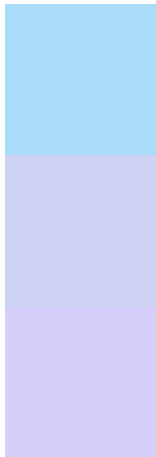


This preview shows how white text looks on a background with the Yxy color 66.4610, 0.2626, 0.2956.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

66.4610, 0.2626, 0.2956

### Protanopia

66.3250, 0.2889, 0.2939

### Deuteranopia

65.9501, 0.2879, 0.2808



## Tritanopia

66.6900, 0.2671, 0.3090

# Trichromacy



## Original Color

66.4610, 0.2626, 0.2956

## Protanomaly

66.0232, 0.2786, 0.2942

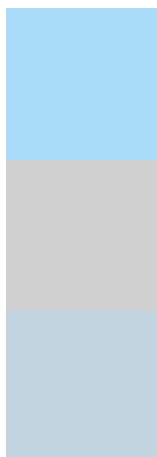
## Deuteranomaly

66.0578, 0.2782, 0.2860

## Tritanomaly

66.5088, 0.2654, 0.3033

# Monochromacy



## Original Color

66.4610, 0.2626, 0.2956

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8840, 0.2926, 0.3162

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4610, 0.2626, 0.2956 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(169, 220, 249)` looks like.

```
.text, #text, p{  
    color:rgb(169, 220, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(169, 220, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 220, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4610, 0.2626, 0.2956 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 220, 249) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(169, 220, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(169, 220, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 220, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 220, 249);  
box-shadow:4px 4px 4px 4px rgb(169, 220,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4610, 0.2626, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 220, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(169,  
220, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor